9900410

THE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pioneer Hi-Bred International, Inc.

MICICIS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE LITTO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR VING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE URPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2021 ET SEQ.)

ALFALFA

'54V54'

In Testimony Mercest, I have hereunto set my hand and caused the seal of the Plant Baristy Protection Office to be affixed at the City of Washington, D.C. this twenty-fourth day of April, in the year of our Lord two thousand one.

71. J. D.

Acting Commissioner Plant Varisty Protection Office Agricultural Marketing Service Aariculture

Research Coordinator

EXHIBIT A

ORIGIN AND BREEDING HISTORY OF THE VARIETY

'54V54'

54V54 is a 20 clone synthetic variety with seed of each parent bulked equally. Breeder seed (syn. 2) was produced on 223 plants under cage isolation in Connell, WA during the summer of 1993. Parental material was selected phenotypically for resistance to one or more of the following pests: bacterial wilt, Fusarium wilt, Verticillium wilt, Phytophthora root rot, anthracnose (race 1), Aphanomyces root rot (race 1), and spotted alfalfa aphid. In addition, parent clones were selected genotypically for forage yield, forage quality, fall dormancy, regrowth vigor, and persistence. 54V54 traces to the following germplasm sources: 5331 (13%), Apollo (6%), 526 (5%), 5262 (5%), 532 (4%), NCMP10 (4%), DK120 (3%), Saranac AR (3%), 545 (3%), Apollo II (2%), Anchor (2%), WL316 (2%), 524 (1%), 5444 (1%), Conquest (1%), Mercury (1%), 5432 (1%), Culver (1%), Vernal (1%), with minor contributions (totaling 2.5%) from: Team, Armor, Narragansett, Cherokee, Saranac, ATRA 55. MSB-W4, Magnum, Futura, 555, Endure, 5364, Iroquois, Arnim and others. The remaining 40.5% traces to various Pioneer experimentals. Original germplasm sources are as follows: M. falcata (2.6%), Ladak (4.0%), M. varia (12.7%), Turkistan (2.1%), Flemish (25.3%), Chilean (2.9%) and unknown (50.4%).

This variety was observed over three generations and found to be uniform and stable.

No variants were observed during seed (breeder, foundation and commercial) multiplication procedures.

It is confirmed that 54V54 meets presently acceptable levels for uniformity for alfalfa varieties.

EXHIBIT B

NOVELTY STATEMENT

'54V54'

54V54 most closely resembles the variety 5454. 54V54 differs from 5454 primarily in its disease profile. Differences occur in the resistance ratings for the following: Verticillium wilt (54V54 = 61.0%, 5454 = 22.8%), Bacterial Wilt (54V54 = 59.1%, 5454 = 47.8%), Aphanomyces Root Rot (54V54 = 18.2%, 5454 = 8.3%), and Stem Nematode (54V54 = 7.6%, 5454 = 28.9%).

These two varieties also differ in flower color: 54V54 has 80% purple, 19% variegated, 1% yellow and traces of cream and white, and 5454 has 96% purple, 4% variegated, and traces of yellow, cream and white.

EXHIBIT C (ALFALFA)

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK AND SEED DIVISION PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY ALFALFA (Medicago sativa sensu Gunn et al.)

		ALFALFA	(Medicago sativa sens	u Gunn et al.)			
NAME OF APPLICANT(S)			TEMPORARY DES	SIGNATION	VARIETY NAME		
Pioneer Hi-Br	ed International, I	Inc.	X54V54	X54V54			
ADDRESS (Street and No., or R.F.D. I	No., City, State, and Z	ip Code)			FOR	OFFICIAL USE ONLY	
7305 N.W. 62	nd Ave., P.O. Bo	x 287			PVPO NUMBER		
Johnston, IA			990041	0			
PLEASE READ ALL INSTRUCTION application variety. Data for quant necessary (e.g. 0 8 9 for quant color may be precisely designated	titative plant chara itative data. Comp	cters should be base arative data should b	ed on a minimum of 10 se determined from va	00 plants. Include le rieties entered in th	ading zeros when e same trial.Plant	of the commerical ge	nerations of the
1. WINTERHARDINESS:							
8 CLASS: 1:33 5:79	4 = Semi-Winterh 6 = Moderately W	2 = Non-Winterhardy (Moapa 69) 4 = Semi-Winterhardy (Lahontan) 6 = Moderately Winterhardy (Saranac) 8 = Winterhardy (Vernal)					
TE	ST LOCATION:	Eau Claire. WI					
2. FALL DORMANCY:		FALL DORMANCY (I	DETERMINED FROM S	SPACED PLANTING	 S)		
	1			REGROWTH SCORE O	R AVERAGE HEIGHT		
TESTING INSTITUTION AND LOCATION	DATE OF DATE OF	DATE REGROWTH SCORED	APPLICATION		CHECK VARIETIES*		LSD .05
AND LOOA HON	LAST COT	SCORED	VARIETY	Ranger	PVPO NUMBER pvpo Number lich are characteristic of leading zeros when the same trial. Plant rts. leading zeros when the same trial. Plant rts. check varieties* Saranac 30.0 (Saranac) (Ranger) Other Areas of Adaptation 4 = Southwest 7 = Great Plains	Vernal	
Pioneer Hi-Bred International, Inc. Arlington, WI	8/94	10/94	29.7	29.0	30.0	21.5	2.6
5 Fall Growth Habit (Determine 1 = 7 =	atural plant heigh ned from Fall Dormar Erect (CUF 101) Semidecumbent (Ver	nt in cm. ncy Trials) 3 = Sen mal) 9 = Dec	nierect (Mesilla) :umbent (Norseman)	5 = intermediate (S	aranac)		_
3. RECOVERY AFTER FIRST SPRING C	UT (In Southwest, firs	st cut after March 21):					
1 = Very Fast 9 = Very Slov TEST LOCAT	/ (Norseman		t (Saranac)	5 = Intermediate (F	anger)	7 = Slow (Vernal)	
4. AREAS OF ADAPTATION IN U.S. (Wh	ere tested and prove	n adapted):					
1 Primary Area of Adaptation	•			2 6 ot	ner Areas of Adaptation		
1 = North Cei 5 = Moderate 8 = Other (S)	ly Winterhardy Interm		3 = Soi 6 = Winterhardy li		,		
5. FLOWERING DATE (When 10% of plan Days Earlier Than Same As Days Later Than	🔲	wers at time of first spri	- <i>1</i>	Mesilla 3 :	= Saranac 4 = \	/emal 5 = No	rseman

6. PLANT COLOR (Determined f	rom healthy regrowth 3 we	eks after first spr	ing cut, controlling le	eafhoppers if necessar	rv):				
1 = Very Dark Gre		2 = Dark Gree		3 = Light Gree		;	9900410		
COLOR CHART VALUE (Specify chart used)									
APPLICATION VA	RIETY:	•••							
· ·									
	F								
7. CROWN TYPE (Determined fro									
Noncreeping T	ypes: 1 = Broad (Ve	rnai)	2 = Intermediate (Sa	ıranac)	3 = Narrow (0	CUF 101)			
Creeping Type:	s: 4 = Creeping	Rooted (Rangela	inder)	5 = Rhizomatous (•	•			
8. FLOWER COLOR (Determine fr						972) allowing all ols	ents in plot to flower):		
8. FLOWER COLOR (Determine frequency of plants for each color class as defined by USDA Agricultural Handbook No. 424 (Barnes 1972), allowing all plants in plot to flower): 0 8 0									
0 1 9 % Variegated O	ther Than Blue (Subclasses	s 2.1, 2.2, 2.5 to 2	.9) 0 0	1 % Yellow (Sul	bclasses 4.1 to	4.4)			
t % Cream (Class	3)			t % White (Clas	ss 5)				
TEST LOCATIO	N: Connell WA								
9. POD SHAPE (Determine frequen	ncy of plants with the follow	ving pod shapes	produced on well cro	oss-pollinated raceme	s):				
% Tightly Coiled	l (One or more coils, center	more or less clo	nsed)	% Loosely Co	iled (One or m	ore coils, center con	renicuouely open)		
		111010 01 1033 010	,304)		-				
% Sickle (Less t									
index sco evaluation locations Seeds of t	res (ASI), least significant on Describe scoring system should be presented when the check varieties and gen though comparisons with o	difference statist n, and any test pr ever available on mplasm lines list	ics (LSD .05), the inst ocedure which differs a separate documen ed below can be obta	itution in charge of te s from standard metho it as Exhibit D. ained from the USDA i	est, year, and lo ods proposed Field Crops Lat	ocation of test, and v by Elgin (1982). Tria boratory, Bidg. 001,	egeneration tested, average severity whether test is a field or laboratory al data from other test years or Rm. 335, BARC-West, Beltsville, MD commended by Elgin (1982) may be		
A. DISEASE RESISTANCE:		SYN. GEN,	PERCENT	NUMBER OF	A C1	ASI	INSTITUTION, YEAR, LOCATION,		
DISEASE	VARIETY	TESTED	RESISTANT PLANTS	PLANTS TESTED	ASI	LSD .05	FIELD OR LABORATORY		
Anthracnose, Race 1 (Colletotrichum trifolii)	Application HR	2	61.8	~125		% Resistant	Pioneer Hi-Bred Int'l, Inc. Arlington, WI		
	Arc (R)		65.0	~125		10.5	1994 Laboratory		
•	Saranac (S)		2.5	~125					
	SCORING SYSTEM:	Standard	l test						
K-4 P 0						<u> </u>			
Anthracnose, Race 2 (Colletotrichum trifolii)	Application								
	Saranac AR (R)								
	Arc (S)					Ī			
	SCORING SYSTEM:						,		
Bacterial Wilt (Corynebacterium insidiosum)	Application HR	2	59.1	~200		% Resistant Plants	Pioneer Hi-Bred Int'l, Inc. Arlington, WI		
	Vernal (R)		42.0	~200		14.2	1994 Field		
	Narragansett (S)		3.7	~200					
	SCORING SYSTEM:	Standard	test						
Common Leafspot (Pseudopeziza medicaginis)	Application								
	MSA-CW3An3 (R								
	Ranger (S)								
	SCORING SYSTEM:				······································				
FORM LS-470-32 (4-85)							PAGE 2 OF 5		
							FAGE Z UF Q		

DISEASE	VARIETY	SYN. GEN. TESTED	PERCENT RESISTANT PLANTS	NUMBER OF PLANTS TESTED	ASI	ASI LSD .05	INSTITUTION, YEAR, LOCATION, FIELD OR LABORATORY		
Downy Mildew (Peronospora trifoliorum)	Application								
Isolate, if known:	Saranac (R)								
	- Kanza (S)								
	SCORING SYSTEM:								
Fusarium Wilt (Fusarium oxysporum f. medicaginis)	Application HR	2	62.0	~150		% Resistant Plants 13.6	Crop Characteristics Farmington, MN		
	Agate (R)		54.0	~150			1998 Field		
22.2001	MNGN-1 (S)		0,0	~150					
Without 1 5 - 2001	SCORING SYSTEM:	Standar					<u> </u>		
Phytophthora Root Rot (Phytophthora megasperma f. medicaginis)	Application HR	2	91.1	~160		% Resistant Plants	Pioneer Hi-Bred Int'l, Inc. Arlington, WI		
	Agate (R)		43.0	~160		14.7	1994 Laboratory		
	Saranac (S)		0.0	~160					
	SCORING SYSTEM: Standard test								
Verticillium Wilt (Verticillium alboatrum)	Application HR	2	61.0	~125		% Resistant Plants	Pioneer Hi-Bred Int'l, Inc. Arlington, Wi 1994 Laboratory		
	Vertus (R]		40.0	~125		17.6			
	Saranac (S)		3.3	~125					
	SCORING SYSTEM: Standard test								
Other (Specify) Aphanomyces Root Rot	Application MR	2	18.2	~175		% Resistant Plants	Pioneer Hi-Bred Int'l, Inc. Arlington, WI 1994 Laboratory		
Aphanomyces euteiches)	WAPH-1(50.0	~175		9.4			
	Agate (S;		1.7	~175					
	SCORING SYSTEM:	Standard	d test						
Other (Specify)	Application						· · · · · · · · · · · · · · · · · · ·		
Access and a contract of the c	(R)		77744						
	(S)								
	SCORING SYSTEM:		Av			.1	1		
INSECT RESISTANCE: INSECT	VARIETY	SYN, GEN. TESTED	PERCENT DEFOLIATION	DEFOLIATION IN PERCENT OF RESISTANT CHECK	ASI	ASI LSD .05	INSTITUTION, YEAR, LOCATION, FIELD OR LABORATORY		
Alfalfa Weevil (Hypera postica)	Application			. :					
	Arc (R)			100					
	Saranac (S)								
	SCORING SYSTEM:					•			

INSECT	VARIETY	SYN. GEN, TESTED	PERCENT SEEDLING	NUMBER OF SEEDLINGS	ASI	ASI LSD .05	INSTITUTION, YEAR, LOCATION, FIELD OR LABORATORY
Blue Alfalfa Aphid (Acyrthosiphon kondoi)	Application	TESTED	SURVIVAL	TESTED		LSD .05	FIELD OR LABORATORY
(мсугаюзірной колаон						_	
	CUF101 (HR)						
	ARC (S)						
	SCORING SYSTEM:						
Pea Aphid (Acyrthosiphon pisum)	Application						
	Baker (R)						
	Caliverde (S)						
	SCORING SYSTEM:	7975187-	<u> </u>			1	
Spotted Alfalfa Aphid (Therioaphis maculata)	Application R	2	49.6	~300		% Resistant Plants	Pioneer Hi-Bred Int'l, Inc. Connell, WA
Biotype, if known:	Baker (HR)		50.0	~300		16.6	1995 Laboratory
	Caliverde (\$)		2.3	~300] .	
	SCORING SYSTEM:	Standard	d test	<u> </u>		<u> </u>	
INSECT	VARIETY	SYN. GEN. TESTED	PERCENT RESISTANT PLANTS	NUMBER OF PLANTS TESTED	ASI	ASI LSD .05	INSTITUTION, YEAR, LOCATION, FIELD OR LABORATORY
Potato Leafhopper Yellowing (Empoasca fabae)	Application				••		
	PLH25 (MR)	**************************************		·			
•	Ranger (S)	1					
	SCORING SYSTEM:	,				· · · · · · · · · · · · · · · · · · ·	
Other (Specify)	Application	·					
	(\$)					1	
	(S)						
	SCORING SYSTEM:						
NEMATODE RESISTANCE:	VARIETY	SYN. GEN. TESTED	PERCENT RESISTANT PLANTS	NUMBER OF PLANTS TESTED	ASI	ASI LSD .05	INSTITUTION, YEAR, LOCATION, FIELD OR LABORATORY
Northern Root Knot (Meloidogyne hapla)	Application						
	SYN YY (HR]						
	Lahontan (S)					1	
	SCORING SYSTEM:					+	· · · · · · · · · · · · · · · · · · ·

NEMATODE	VARIETY	SYN. GEN. TESTED	PERCENT RESISTANT PLANTS	NUMBER OF PLANTS TESTED	ASI	ASI LSD .05	INSTITUTION, YEAR, LOCATION FIELD OR LABORATORY
Southern Root Knot (Meloidogyne incognita)	Application						
	Моара 69 (R)						
	Lahontan (S)						
	SCORING SYSTEM:						
Stem Nematode (Ditylenchus dipsaci)	Application LR	2	7.6	~250		% Resistant Plants 10.2	Pioneer Hi-Bred Int'l, Inc. Connell, WA 1995 Laboratory
	Vernema (R)		60.0	~250			
	Ranger (S)		7.3	~250			
	SCORING SYSTEM:	Standard	test				
Other (Specify)	Application						
	(R)						
	(S)						
	SCORING SYSTEM:						

11. INDICATE THE VARIETY THAT MOST CLOSELY RESEMBLES THE APPLICATION VARIETY FOR EACH OF THE FOLLOWING CHARACTERS:

CHARACTER	VARIETY	CHARACTER	VARIETY
Winterhardiness	5454	Plant Color	-
Recovery After 1st Cut	5454	Crown Type	-
Area of Adaptation	5454	Combined Disease Resistance	5312
Flowering Date	·	Combined Insect Resistance	5454

REFERENCES

Barnes, D.K. 1972. A System for Visually Classifying Alfalfa Flower Color. U.S. Dep. Agric, Handb. 424. 18 pp. (Note: Greenish cast of plate 6, A and B is an artifact of printing, actual colors a blend of yellow and white.)

Elgin, J.H., Jr., (ed.). 1982. Standard Tests to Characterize Pest Resistance in Alfalfa Cultivars. U.S. Dep. Agric. Tech. Bull. (In Press).

Gunn, C.R., W.H. Skrdla, and H.C. Spencer. 1978. Classification of Medicago sativa L. using legume characters and flower colors. U.S. Dep. Agric. Tech. Bull. 1574. 84 pp.

Munsell Color Co., 1977. Munsell Plant Tissue Color Charts. Munsell Color Co., Inc. Baltimore.

NOTE: Any additional descriptive information and supporting documentation may be provided as Exhibit D.

EXHIBIT D

'54V54'

- 1. 54V54 is a 20 clone synthetic variety with seed of each parent bulked equally. Breeder seed (syn. 2) was produced on 223 plants under cage isolation in Connell, WA during the summer of 1993. Parental material was selected phenotypically for resistance to one or more of the following pests: bacterial wilt, *Fusarium* Wilt, *Verticillium* Wilt, *Phytophthora* root rot, anthracnose (race 1), *Aphanomyces* root rot (race 1), and spotted alfalfa aphid. In addition, parent clones were selected genotypically for forage yield, forage quality, fall dormancy, regrowth vigor, and persistence. 54V54 traces to the following germplasm sources: 5331 (13%), Apollo (6%), 526 (5%), 5262 (5%), 532 (4%), NCMP10 (4%), DK120 (3%), Saranac AR (3%), 545 (3%), Apollo II (2%), Anchor (2%), WL316 (2%), 524 (1%), 5444 (1%), Conquest (1%), Mercury (1%), 5432 (1%), Culver (1%), Vernal (1%), with minor contributions (totaling 2.5%) from: Team, Armor, Narragansett, Cherokee, Saranac, ATRA 55, MSB-W4, Magnum, Futura, 555, Endure, 5364, Iroquois, Arnim and others. The remaining 40.5% traces to various Pioneer experimentals. Original germplasm sources are as follows: M. falcata (2.6%), Ladak (4.0%), M. varia (12.7%), Turkistan (2.1%), Flemish (25.3%), Chilean (2.9%) and unknown (50.4%).
- 54V54 is adapted to the north central, east central, and winterhardy intermountain regions of the United States. It is intended for use in the North Central, East Central, Great Plains, moderately winterhardy regions of the United States and Ontario, Canada. It has been tested in Iowa, Pennsylvania, Oregon, Washington, Wisconsin and Minnesota.
- 3. 54V54 is a moderately dormant cultivar with a fall dormancy similar to Saranac. Growth habit is erect in the summer, and semi-erect in the fall. Flower color in the syn. 2 generation is 80.4% purple, 19.1% variegated, 0.5% yellow with traces of cream and white.
- 4. 54V54 has high resistance to anthracnose (race 1), bacterial wilt, Fusarium Wilt, Verticillium Wilt, and Phytophthora root rot; resistance to spotted alfalfa aphid; moderate resistance to Aphanomyces root rot (race 1), and low resistance to stem nematode. 54V54 has not been tested for the pea aphid nor blue aphid.
- 5. Breeder seed (Syn 2) was produced on 223 parents representing approximately equal contributions from the 20 parental clones during the summer of 1993 under cage isolation in Connell, WA. Seed classes will be breeder, foundation (Syn 3 or Syn 4), and certified (Syn 3, Syn 4, Syn 5). Foundation seed may be produced from breeder or foundation. The second generation foundation (Syn 4) may be produced at the discretion of Pioneer Hi-Bred International, Inc. Limitations on age of stand will be one, three, and five years respectively for breeder, foundation seed and certified seed. Sufficient breeder and/or foundation seed for the projected life of the variety will be maintained by Pioneer Hi-Bred International, Inc.
- 6. Seed will be marketed in the fall of 1999.
- As a means of added varietal protection, information included with the application for Review of Alfalfa Varieties for Certification may be provided to the PVP office.
- Variety name: 54V54 Date submitted: November 23, 1998.
- 9. Experimental designations:X54V54, Y53V53

REPRODUCE LOCALLY. Include form number and date on all reproductions.	FORM APPROVED - OMB NO.	0581-0055 EXPIRES: 12-31-96			
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE	The following statements are made in accordance with the Privacv Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.				
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety pro- certificate is to be issued (7 U.S.C. 2421). Information is held co- until certificate is issued (7 U.S.C. 2426).				
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME			
Pioneer Hi-Bred International, Inc.	X54V54	54V54			
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)			
	(515) 270-3347	(515) 270-3750			
7305 N.W. 62nd Ave. P.O. Box 287	7. PVPO NUMBER				
Johnston, IA 50131	7.1 VI O NOMBER	9900410			
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If r	no nlease explain				
	is, praces expressin	X YES NO			
9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give лате of country		X YES NO			
10. Is the applicant the original breeder? If no, please answer the following:		YES NO			
a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country					
b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of country		X YES NO			
11. Additional explanation on ownership (If needed, use reverse for extra space):					
PLEASE NOTE:	······································				
Plant variety protection can be afforded only to owners (not licensees) who meet one of	of the following criteria:				
 If the rights to the variety are owned by the original breeder, that person must be a of a country which affords similar protection to nationals of the U.S. for the same get 	U.S. national, national of a UPOV membe enus and species.	r country, or national			
If the rights to the variety are owned by the company which employed the original b nationals of a UPOV member country, or owned by nationals of a country which afforgenus and species.	reeders(s), the company must be U.S. ba ords similar protection to nationals of the	sed, owned by a U.S. for the same			
3. If the applicant is an owner who is not the original breeder, both the original breeder	r and the applicant must meet one of the	above criteria.			
The original breeder may be the individual or company who directed final breeding. So definition.	ee Section 41(a)(2) of the Plant Variety Pr	rotection Act for			
Public reporting burden for this collection of information is estimated to average 10 minutes per response, including ti maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding to suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. W 0581-0055 and form number in your letter.	this burden estimate or any other aspect of this collection	on of information, including			
Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OM:	B control number.				
The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, nationa (Not all prohibited bases apply to all programs). Persons with disabilities who require atternative means for communic USDA Office of Communications at (202) 720-2791.	ıl origin, sex, religion, age, disability, political beliefs, a atlon of program information (braille, large print, audio	nd marital or familial status. tape, etc.) should contact the			
To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call employment opportunity employer.	(202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is	an equal			
STD-470-E (03-96)					